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Evaluation of the Built Environment on Ice: Polar Field Tent Shelters and Well-Being of their Users [Abstract]

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extremely harsh environment, and to help alleviate the adverse impact of the unusual social conditions on their users. Based on data of a survey of nearly one hundred U.S. polar researchers and their support personnel, this presentation reports on a study of various field tent shelters used in polar and circumpolar areas. The study focused on the design of the shelters and the implication for health and well-being of users from an environment-behavior perspective. Preliminary analysis indicates that while design of field tent shelters was generally satisfactory, there does exist quite a few areas in which the design and use of the shelters had an adverse bearing on the health and well-being of a considerable number of shelter users. Some suggestions to be used for establishing performance criteria in the future design and manufacture of the tent shelters will also be discussed.

Yan, X. Winston; Potter, James J. and **Krug, Nate** (Nebraska, Lincoln) *Evaluation of the Built Environment on Ice: Polar Field Tent Shelters and Well-Being of their Users.* Polar and circumpolar research teams often spend extended periods of time away from base research stations, living and working in remote field camps of portable shelters. As the primary built environment, the shelters are to protect their occupants from the